MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

March 1949

ROBERT W. SLOANE, DIRECTOR

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WEATHER BUREAU

MARCH 1949

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. + ...				Thermometer Degrees Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	67.5	65.7	64.1	65.8	16.6	11.1	14.4	15.4	12.8	14.2
2	0.1	57.8	54.4	57.4	21.9	14.5	15.4	18.3	21.0	18.9
3	57.9	5.1	8.7	7.2	18.9	11.9	16.6	17.3	14.4	16.1
4	9.5	8.6	60.3	9.5	19.7	11.9	15.6	18.8	14.9	16.4
5	62.3	62.3	2.4	62.3	16.8	9.4	14.8	16.0	11.7	14.2
6	62.0	61.4	62.3	61.9	16.0	9.5	13.2	15.5	11.5	13.4
7	1.7	59.7	58.7	0.0	16.1	10.2	13.9	15.5	11.5	13.6
8	55.2	4.5	4.2	54.6	16.9	7.9	13.8	9.3	9.3	10.8
9	3.8	2.9	3.9	3.5	13.4	7.4	11.6	11.1	8.4	10.4
10	6.4	7.2	8.4	7.3	15.7	8.7	13.3	14.3	10.3	12.6
11	60.7	61.5	62.6	61.6	14.5	7.7	12.3	13.1	8.7	11.4
12	1.8	0.1	1.7	1.2	14.6	7.7	9.9	11.3	11.1	10.8
13	2.5	5.0	6.6	4.7	13.2	6.5	10.6	12.7	9.8	11.0
14	5.4	3.5	4.0	4.3	15.6	9.6	11.0	14.2	11.1	12.1
15	3.5	1.1	1.0	1.9	19.1	13.9	14.4	16.7	15.5	15.5
16	58.4	55.9	56.5	56.9	20.4	11.8	19.1	17.9	14.6	17.2
17	9.2	60.4	61.6	60.4	18.9	11.7	13.7	17.7	12.7	14.7
18	62.8	1.8	2.1	2.2	18.3	12.4	15.3	17.2	13.7	15.4
19	1.7	1.0	1.3	1.3	20.5	12.6	15.6	19.5	15.6	16.9
20	1.9	0.7	0.7	1.1	20.9	14.3	17.0	19.9	16.0	17.6
21	59.6	58.3	58.3	58.7	21.0	16.3	16.8	19.9	19.4	18.7
22	6.8	6.2	5.8	6.3	22.2	16.1	19.4	21.2	20.3	20.3
23	7.6	7.8	8.6	8.0	18.8	13.5	16.2	17.9	15.1	16.4
24	9.6	8.3	8.6	8.8	18.0	9.9	14.9	17.3	12.9	15.0
25	7.5	6.7	7.2	7.1	16.0	11.0	12.2	14.6	12.9	13.2
26	60.9	61.3	62.0	61.4	21.9	13.7	15.6	17.9	15.1	16.2
27	1.6	0.3	2.3	1.4	25.7	17.0	21.9	24.9	18·8	21.9
28	59.1	57.4	57.3	57.9	27.2	16.3	23.5	21.7	19.2	21.5
29	7.7	7.5	8.3	7.8	22.9	13.9	17.4	18.8	15.2	17.1
30	9.4	9.9	60.6	60.0	18.5	11.7	15.9	14.4	14.4	14.9
31	9.6	8.7	59.6	59.3	18.1	11.7	16.6	17.1	15.3	16.3
	60.12	59.31	59.81	59.74	18.66	11.67	15.22	16.69	13.98	15.30

Barometer, range for month 767.5 — 752.9 mm.

,, 71-yr. average for month 761.187 mm.

Thermometer, range for month 27.2°C — 6.5°C

,, 71-yr. average for month 16.16°C.

Rain, total for month 100.34 mm.

,, 71-yrs. average for month 92.54 mm.

,, Tolal, Sept. 1st. to end of month 1076.81 mm.

,, 71-yr. average, Sept. 1st. to end of month 814.84 mm.

MARCH 1949

METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				Sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	10.1	11.8	12.3	11.4	62	67	84	71	5.0	135.0	
2	13.5	12.8	19.1	15.1	77	61	76	71	3.4	552.0	
3	13.6	15.1	13.1	13.9	73	76	79	76	7.2	470.0	
4	10.5	11.9	14.0	12.7	60	54	82	65	9.0	504.0	
5	13.0	13.1	11.7	12.6	71	71	85	76	5.1	217.0	
6	15.1	10.9	9.3	11.8	99	61	68	76	8.0	179.0	4.83
7	10.6	11.6	10.2	10.8	67	65	74	69	8.4	167.0	
8	10.5	11.8	11.0	11.1	66	100	92	86	2.5	864.0	22.86
9	9.6	10.5	10.5	10.2	73	79	97	83	2.7	987.0	6.35
10	10.5	10.9	10.3	10.6	69	67	81	72	6.9	286.0	3.04
11	10.5	8.9	10.5	10.0	73	61	94	76	5.8	457.0	1.02
12	12.3	12.0	10.5	11.6	100	89	79	89	9.4	639.0	11.95
13	7.7	9.2	8.5	8.5	64	62	69	65	9.4	505.0	0.76
14	7.1	13.4	8.5	9.7	55	82	64	67	9.5	71.0	2.03
15	10.6	11.8	14.3	12.9	64	62	80	69	8.9	306.0	
16	9.6	13.3	13.4	12.8	43	65	82	63	7.2	618.0	
17	13.7	13.8	13.3	13.6	86	68	90	81	9.1	441.0	
18	15.0	16.5	14.1	15.2	85	84	90	86	5.8	200.0	10.76
19	14.2	16.7	16.0	15.6	80	74	89	81	7.4	406.0	0.25
20	16.0	18.9	16.1	17.0	83	80	88	84	8.2	283.0	21.59
21	16.4	16.3	13.4	15.4	86	70	59	72	4.3	122.0	
22	14.6	15.2	16.6	15.5	64	61	70	65	0.0	320.0	
23	19.0	18.9	14.8	17.6	99	92	86	92	0.3	278.0	
24	13.7	14.4	14.0	14.0	80	73	95	83	0.7	404.0	
25	12.3	14.3	13.4	13.3	87	88	91	89	4.2	504.0	
26	14.7	16.3	16.0	15.7	83	80	94	86	8.1	328.0	
27	12.5	16.7	17.4	15.5	48	52	80	60	9.0	708.0	
28	17.7	21.6	19.4	19.6	62	83	85	77	6.9	539.0	1.02
29	18.0	19.5	17.4	18.3	92	89	100	94	3.0	917.0	4.83
30	16.2	15.7	14.2	15.4	88	95	85	89	3.5	340.0	9.14
31	14.7	15.5	15.0	15.1	76	78	85	80	3.0	663.0	
	13.01	14.17	13.49	13.56	74.7	73.8	83.0	77.2	5.87	432.58	3.24

Height of Barometer above sea level: 33.7 meters.

,, ,, Thermometers above ground:

Dry and wet 1.55 m.; Max. 1.75 m.; Min. 1.70 m.

Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.

Time of reading minus 2 hours equal G.C.T.

71year averages are for period, 1875-1945

MARCH 1949

METEOROLOGICAL REGISTER

Date	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	0	8ci	9st	5.7	1se	1ne	1nw	light	
2	7cu-st	8cu-st	9ci-st	8.0	1ne	1s	3se	,,	
3	1ci	6cu-ci	4cu-ci	3.7	2sw	3sw	2w	,,	
4	0	0	5cu	1.7	2sw	3sw	3sw	slight	
5	7cu	5cu	0	4.0	3sw	2sw	1sw	,,	Tr., a.m
6	9cu-ni	2cu	0	3.7	1se	2ne	1nw	slight	
7	3cu	5cu-ci	4cu-ci	4.0	1se	2ne	1ne	light	
8	7cu-ci	10ni	8cu-ni	8.3	2sw	3sw	2w	mod.	W. ; T. ; Hail, p.m.
9	10cu	10cu	10cu-ni	10.0	5w	5w	4w	rough	W.
10	3cu	9cu-st	2cu	4.7	2nw	1n	1nw	mod.	
11	4cu-ci	9cu	9cu-ni	7.3	1se	2w	1nw	slight	
12	10cu-ni	10ni	10cu	10.0	3sw	4w	4w	mod.	
13	8cu-ci	1ci	6cu-ci	5.0	2nw	3ne	3ne	slight	Tr, a.m.
14	0	6ci	0	2.0	1s	1w	0	,,	
15	0	8ci	9ci	5.7	1sw	2ne	0	,,	
16	5ci	10st	10cu-st	8.3	2e	1sw	3sw	slight	
17	6cu	5cu	2cu	4.3	2sw	3sw	2sw	,,	
18	6cu	9st	5ci	6.7	1sw	2sw	0	light	
19	9cu-st	3cu-ci	0	4.0	0	1sw	3ne	,,	
20	0	0	0	0.0	1sw	2ne	0	,,	
21	10cu-st	10cu-st	10st	10.0	2sw	0	0	calm	Tr., a.m.
22	10st	10st-ni	10st	10.0	0	1s	1w	,,	Tr., p.m
23	10ni	10cu-ni	8cu	9.3	1sw	2sw	2nw	light	
24	10cu-st	10cu-st	10cu	10.0	2sw	2sw	2sw	,,	
25	10cu-ni	7cu	6cu-ni	7.7	3sw	3sw	1sw	slight	
26	2cu	1cu	2ci	1.7	2sw	2sw	2sw	slight	
27	7cu-ci	5cu-ci	10cu-ni	7.3	4e	4e	2se	,,	
28	5cu-ci	3ci	2ci	3.3	2se	1e	2sw	,,	
29	10cu-st	10cu-st	10cu-ni	10.0	3sw	3sw	5sw	,,	W., p.m.
30	10cu	10cu-ni	7cu	9.0	3sw	2sw	2sw	,,	
31	5ci	10cu-st	3cu	6.0	1sw	2nw	5sw	light	Tr., p.m.
				6.17					

* Abbreviations :— G = gale; H = haze; M = mist ; T = thunderstorm ; D = dew.
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	0	1	2	5	1	17	1	2	2	31
14:30	1	6	2	0	2	14	4	1	1	31
20:30	0	3	0	2	0	11	5	5	5	31
Total	1	10	4	7	3	42	10	8	8	93

Number of days with rain 14, fog 0, thunderstorms 1, gale 0.

71 yr. av. number of days with rain during month 10.76